

ABSTRACT OF THE DISCLOSURE

In a motor, a shaft passes through a magnet of a rotor and is fixed to the magnet by way of a rotor sleeve formed by resin-molding between the magnet and the shaft. A resin-molded boss is fixed to a front end of a stator, has a center hole, and defines an
5 inner surface continuous from the center hole and beveled so as to obliquely face a front end of the rotor sleeve. A plurality of bearing balls are rotatably disposed between the front end of the rotor sleeve and the beveled inner surface of the boss, thereby constituting a ball bearing which rotatably supports the shaft. Thus, the shaft is prevented from bowing, whereby the motor achieves a high rotational accuracy of the
10 shaft without an additional bearing attached separately.